

**Cooper and Commerce Water Quality Assurance Revolving Fund (WQARF) Site
Community Advisory Board (CAB) Meeting**

**Thursday, November 15, 2007 at 6 p.m.
McQueen Park Activity Center
510 N. Horne St., Gilbert, Arizona**

DRAFT MINUTES

OU #08-074

CAB members present: Michael Evans, Bruce Friedrich, Deanna Gnadt, and Pacer Udall

CAB Members absent: Bobbi Buchli, Carrie Lewis, and Nyanganya (Joe) Maniga

ADEQ Staff in attendance: Scott Goodwin, Project Manager; and Felicia Calderon, Community Involvement Coordinator

Members of the public present: Brian Mcnamara, Donna Moran, and Nancy Mangone

The following matters were discussed, considered, or decided at the meeting:

1. Welcome and Introductions

Felicia Calderon introduced herself as the new Community Involvement Coordinator for Cooper and Commerce. Ms. Calderon greeted all attendees and turned over the meeting to the Co-Chair, Mr. Udall.

2. Acceptance and/or changes to July 12, 2007 Minutes

Mr. Evans requested a change to the minutes, located on page three, second paragraph, first sentence beginning with “(This may have actually been Bruce’s question)” to begin as “A question was asked...” Mr. Udall asked for a motion to accept the minutes as revised. Mr. Evans made this motion and it was seconded by Ms. Gnadt. The motion passed.

3. Distribution and review of WQARF 2007 Annual Registry Report

Ms. Calderon explained to the CAB that state law required ADEQ to provide an annual report of the location, remedial status, and score of the sites on the Water Quality Assurance Revolving Fund (WQARF) Registry as of December 31, 2006. Mr. Evans inquired how site scores were assigned. Mr. Goodwin explained that scores are determined using a scale of 120 as the maximum actual impact of soil or drinking water to human consumption. Mr. Friedrich asked if site scores represented any level of priority. Mr. Goodwin responded that currently site scores were not prioritized, but funding may alter future directions. All

attendees were encouraged to take a report for future reference. A copy of the WQARF 2007 Annual Registry Report is located within the Cooper and Commerce repositories as well.

4. Current status and activities at Cooper and Commerce WQARF site

A. Third quarter 2007 groundwater concentrations

Mr. Goodwin advised the CAB that groundwater flow direction for the third quarter 2007 was predominately to the west. In addition there have been no major changes in groundwater concentrations except in well G-10. Mr. Goodwin also reported that tetrachloroethene (PCE) concentration in monitor well G-10 was down from 200 micrograms per liter ($\mu\text{g/l}$) in the second quarter to 29 $\mu\text{g/l}$ in the third quarter. Also presented by Mr. Goodwin were that SRP (Salt River Project) reported no pumping from 29.0E-1.5S, since June of 2007. Mr. Goodwin directed the CAB members to a groundwater elevation map that contained water elevation contours. Mr. Goodwin advised the CAB that the Arizona Department of Environmental Quality (ADEQ) met with SRP that same day, regarding pumping restrictions on 29.0E-1.5S and possible discharge to the canal south of the site from the planned pump and treat system.

B. Update on site access

Mr. Goodwin advised the CAB that on March 30, 2007, Equifunding Michigan Inc. acquired the Unichem parcel through a treasurer's deed. In addition ADEQ requested access to the site on August 7, 2007 and received the signed access agreement in September 2007. Mr. Friedrich inquired what this newly granted agreement signified. Mr. Goodwin responded that access allowed for all WQARF remedial actions. In addition Mr. Goodwin stated that this access stays with the property regardless of ownership.

C. Update on soil vapor extraction pilot test and groundwater extraction well pump test

The CAB was instructed by Mr. Goodwin that ADEQ conducted the soil vapor extraction (SVE) pilot test in August 2007. Vapor extraction tests were ran on SVE/AS (air sparging) wells 101 and 102. These wells have screens in the unsaturated zones from 40 to 110 feet. Mr. Evans inquired what "screens in the unsaturated zones" specifically meant. Mr. Goodwin first described screens as "PVC with openings" to draw air into the casings. Mr. Goodwin then added that these screens were placed between depths of 40-110 feet. These depths are above the water table. Also Mr. Goodwin stated that SVE tests were run for approximately four hours on each well. Concentration of the vapor extracted, flow rate, vacuum pressure and temperature were measured at regular intervals throughout the test. Flow rates and vacuum pressures were adjusted throughout the test to aid in the optimum design of the system. Mr. Goodwin advised the CAB that concentrations of PCE extracted from the SVE/AS wells during the test were 5,800 to 6,500 milligrams per cubic meter (mg/m^3). Vacuum was also measured in the soil vapor monitor wells located across the site. Mr. Goodwin reported that preliminary test data indicted noticeable vacuum in all vapor monitor wells at depths of 12-17 feet, 40- 45 feet and 107-112 feet. Mr. Goodwin added that Hydro Geo Chem, Inc. (HGC) is currently designing the SVE system and will soon acquire permits for the system. Additionally Mr. Goodwin commented that more SVE

wells may be included with future remediation efforts. Mr. Goodwin mentioned that the acquisition of an air permit from the county of Maricopa would be required to implement the soil vapor extraction system. Acquiring the air permit may take up to six months. It was suggested by Mr. Evans that CAB member testimony may be constructive in obtaining this permit. Mr. Goodwin responded that CAB testimony would be beneficial and that permit hearings would be communicated to them.

Mr. Goodwin updated the CAB on the groundwater extraction well pump test. Mr. Goodwin advised that the pump test on groundwater extraction well was conducted on September 29, 2007. Well EW-101 was pumped for four hours. The pumping rate was at 110 gallons per minute. Mr. Goodwin stated that the drawdown was measured at regular intervals in monitor wells at the property. In addition, Mr. Goodwin stated that this test helped determine the optimum pumping rate of EW-101 and also allowed estimations to be made on the aquifer characteristics. Lastly, Mr. Goodwin commented that HGC is researching required permits and designing a groundwater pump and treat system. Mr. Goodwin stated that discussions had recently occurred with SRP to route treated discharged water to the lateral south of the site. Mr. Goodwin added that it is a goal of SRP to put this water to beneficial use. CAB members expressed concern over the usage of this treated discharged water. Mr. Udall proposed that the CAB be updated regarding the public comment period of ADEQ's triennial review and rule implementation of Water Quality Standards. Mr. Udall expressed that the CAB's involvement with the triennial review would be valuable towards the discharged water of Cooper and Commerce.

5. Review of Draft Community Involvement Plan (CIP)

Mr. Evans requested to implement the following changes to the CIP: (1) page four, question two, capitalize Cooper and Commerce; (2) page five, fourth paragraph, to include what concentrations were found above the residential SRLs and what levels it should not exceed; (3) page six, HYDRO-SEARCH, is spelled two different ways; (4) page six, to include what concentrations of arsenic, chromium and lead were found above residential SRLs and what levels it should not exceed; (5) page seven, to include AWQS levels; (6) page eight, rewrite of sentence "The listing of the site on the WQARF Registry does not necessarily represent...a threat to human health..." with ADEQ's 2007 WQARF Annual Registry Report statement of "The Registry includes those sites within the state that may pose a risk to public health, welfare or the environment from the release of hazardous substances and for which there is current or planned investigation and cleanup;" (7) page eight, to include how much TCE and PCE were found about the SRLs; (8) page 15, section 4.2.3, to add Michael Evans as community member and Samantha Roberts as ADEQ representative; (9) correct Cooper and Commerce Fact Sheet PDF character errors; (10) Appendix E, Community and Neighborhood Organizations, to include the three following HOA organizations: Sonesta Estates, Cayman Square and Silverhawke.

Mr. Evans moved to accept the Community Involvement Plan with the discussed changes incorporated. It was seconded by Mr. Friedrich and accepted by the CAB.

6. Call to the Public None

7. Future meeting and agenda discussion

The next CAB meeting was scheduled for Thursday, February 21, 2008, beginning at 6 p.m. It will be held at the McQueen Park Activity Center in Gilbert. Proposed agenda items for the next meeting included: review of draft CIP, information regarding the Air Quality permit meeting and triennial review of water quality standards.

8. Adjournment

Mr. Evans requested a motion to adjourn. Mr. Udall made a motion and Ms. Gnadt seconded. The meeting was adjourned.